

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of the claims in this application.

Okay to Enter

/BP/ 03/23/2009

1. (**Currently Amended**) A genetically modified plant cell ~~having an increased activity of at least one Class 3 branching enzyme in comparison with corresponding wild-type plant cells that have not been genetically modified, wherein the genetic modification is the introduction of at least one foreign nucleic acid molecule which codes a class 3 branching enzyme into the genome of the plant, and wherein the class 3 branching enzyme has an iso amylase domain (Pfam acc.: Pf02922) and an alpha amylase domain (Pfam acc: Pf00128) which are separated from one another by at least 100 amino acids comprising:~~
 - a) a nucleic acid molecule encoding the amino acid sequence of SEQ ID NO 4;
 - b) a nucleic acid molecule encoding an amino acid sequence with an identity of at least 95% with the amino acid sequence of SEQ ID NO: 4;
 - c) a nucleic acid molecule comprising the nucleic acid sequence of SEQ ID NO: 3 or a complementary sequence thereof;
 - d) a nucleic acid molecule comprises a nucleic acid sequence with an identity of at least 95% with the nucleic acid sequences described under a) or c);
 - e) a nucleic acid molecule comprising a nucleic acid sequence which deviates from the sequence of the nucleic acid molecules identified under a), b), c), or d) due to the degeneration of the genetic code; or
 - f) fragments, allelic variants, or derivatives of the nucleic acid molecules identified under a), b), c), or d) that retain the biological activity of a nucleic acid molecule encoding the amino acid sequence of SEQ ID NO 4,
wherein said genetically modified plant cell has an increased activity of at least one Class 3 branching enzyme in comparison with corresponding wild type plant cells that have not been genetically modified.
2. (**Cancelled**)
3. (**Cancelled**)